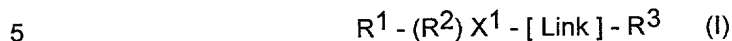


Claims:

1 An agrochemical composition which includes an agrochemically active compound and a compound of the formula (I):



where

R^1 is polyhydroxy hydrocarbyl;

R^2 is H or hydrocarbyl, or is a group as defined for R^1 ;

10 X^1 is N; $N^+ \rightarrow O^-$; $N^+ R^4 -$ where: $R^4 -$ is C_1 to C_6 hydrocarbyl carrying an anionic substituent, particularly $-CH_2 - COO^-$; or $N^+ R^5 An^-$ where: R^5 is a C_1 to C_{20} hydrocarbyl; and An^- is a charge balancing anion;

Link is a linking group of the formula: $-CH_2 - CHOH - X^2 -$

where X^2 is

a direct bond; $-CH_2 - O -$; $-CH_2 - N(R^6) -$; $-CH_2 - (OA)_p - O -$; or $-CH_2 - (OA)_p - N(R^7) -$;

15 where

OA is an oxyalkylene residue;

p is from 1 to 100;

R^6 is H; C_1 to C_8 hydrocarbyl; or a group $R^1 - (R^2) X^1 - CH_2 - CHOH - CH_2 -$ where

R^1 , R^2 and X^1 are as defined above; and

20 R^7 is H; C_1 to C_8 hydrocarbyl; or a group $R^1 - (R^2) X^1 - CH_2 - CHOH - CH_2 - (OA)_p -$

where R^1 , R^2 , X^1 , OA and p are as defined above; and

R^3 is hydrocarbyl.

25 2 A composition as claimed in claim 1, wherein R^1 is a polyhydroxy alkyl group having a linear C_4 to C_7 chain and at least three hydroxyl groups directly bonded to chain carbon atoms.

3 A composition as claimed in claim 2, wherein R^1 is a group of the formula:
 $-CH_2 - (CHOH)_4 - CH_2OH$.

30 4 A composition as claimed in claim 1, wherein R^2 is an alkyl, hydroxyalkyl or alkoxyalkyl group, R^5 is an alkyl, hydroxyalkyl, alkoxyalkyl or aralkyl, An^- is an alkali metal or ammonium ion, R^6 and R^7 are each independently alkyl or alkenyl groups and R^3 is a C_{10} to C_{30} alkyl, alkenyl, alkaryl, aryl or aralkyl group.

- 5 A composition as claimed in claim 1, wherein the oxyalkylene group(s) OA is (are) oxyethylene, oxypropylene or mixtures of oxyethylene and oxypropylene groups and p is from 1 to 50.
- 5 6 A composition as claimed claim 1, wherein Link is a group of one of the formulae: -CH₂-CHOH-CH₂-O-; -CH₂-CHOH-CH₂-(OA)_p-O-; -CH₂-CHOH-CH₂-N(R⁶)-; or -CH₂-CHOH-CH₂-(OA)_p-N(R⁷)-; where OA, p, R⁶ and R⁷ are as defined in claim 1.
- 10 7 A composition as claimed in claim 1, wherein the agrochemically active compound is one or more plant growth regulators, herbicides, and/or pesticides, for example insecticides, fungicides, acaricides, nematocides, miticides, rodenticides, bactericides, molluscicides and/or bird repellants.
- 15 8 A composition as claimed in claim 7, wherein the agrochemically active compound is or includes at least one water soluble herbicide.
- 9 A composition as claimed in claim 8, wherein the water soluble herbicide is or includes at least one phosphonomethyl glycine, particularly Glyphosate and/or Sulfosate; at least one phosphinyl amino acid, particularly Glufosinate; and/or at least one bipyridinium compound, particularly Paraquat.
- 20 10 A compound of the general formula (IIa): R¹-(R²)X¹-[Link¹]-R³ where R¹, R², and R³ are as defined in claim 1 and Link¹ is a linking group of one of the formulae: -CH₂-CHOH-CH₂-(OA)_p-O-; -CH₂-CHOH-CH₂-N(R⁶)-; or -CH₂-CHOH-CH₂-(OA)_p-N(R⁷)-; where OA, p, R⁶ and R⁷ are as defined for formula (I) in claim 1.
- 25 11 A compound of the general formula (IIb): R¹-(R²)X^{1a}-[Link²]-R³ where R¹, R², and R³ are as defined above for formula (I); X^{1a} is N⁺-O⁻, N⁺R⁴- or R⁵An⁻ where: R⁴-, R⁵ and An⁻ are as defined above for formula (I); and Link² is a linking group of one of the formulae: -CH₂-CHOH-CH₂-O-; -CH₂-CHOH-CH₂-(OA)_p-O-; -CH₂-CHOH-CH₂-N(R⁶)-; or -CH₂-CHOH-CH₂-(OA)_p-N(R⁷)-; where OA, p, R⁶ and R⁷ are as defined above for formula (I).
- 30

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- 12 A method of treating vegetation by applying to plants and/or soil a composition as claimed in claim 1.
- 13 A method of killing or inhibiting vegetation by applying a formulation as claimed in claim 1,
5 which includes one or more growth regulators and/or herbicides and at least one compound of the general formula (I) as defined in any one of claims 1 to 6 as an adjuvant.
- 14 A method of killing or plant pests by applying a formulation as claimed in claim 1, which includes one or more pesticides, for example insecticides, fungicides or acaricides, and at
10 least one compound of the general formula (I) as defined in any one of claims 1 to 6 as an adjuvant.

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	8.5	5	35
Occupation	1.2	0.8	0	2
Health status	1.5	0.5	1	2
Stress level	2.5	1.2	1	4
Life satisfaction	3.5	1.0	2	5
Resilience	4.5	1.5	2	7
Optimism	5.5	1.2	3	7
Self-efficacy	6.5	1.5	4	8
Emotional stability	7.5	1.0	6	9
Prosocial behavior	8.5	1.2	7	10
Empathy	9.5	1.5	8	11
Altruism	10.5	1.0	9	12
Compassion	11.5	1.2	10	13
Kindness	12.5	1.5	11	14
Generosity	13.5	1.0	12	15
Helpfulness	14.5	1.2	13	16
Cooperativeness	15.5	1.5	14	17
Teamwork	16.5	1.0	15	18
Leadership	17.5	1.2	16	19
Communication	18.5	1.5	17	20
Conflict resolution	19.5	1.0	18	21
Problem solving	20.5	1.2	19	22
Decision making	21.5	1.5	20	23
Goal setting	22.5	1.0	21	24
Time management	23.5	1.2	22	25
Organization	24.5	1.5	23	26
Productivity	25.5	1.0	24	27
Efficiency	26.5	1.2	25	28
Quality of work	27.5	1.5	26	29
Job satisfaction	28.5	1.0	27	30
Commitment	29.5	1.2	28	31
Engagement	30.5	1.5	29	32
Motivation	31.5	1.0	30	33
Energy	32.5	1.2	31	34
Enthusiasm	33.5	1.5	32	35
Passion	34.5	1.0	33	36
Drive	35.5	1.2	34	37
Initiative	36.5	1.5	35	38
Proactivity	37.5	1.0	36	39
Responsiveness	38.5	1.2	37	40
Adaptability	39.5	1.5	38	41
Flexibility	40.5	1.0	39	42
Openness	41.5	1.2	40	43
Curiosity	42.5	1.5	41	44
Learning	43.5	1.0	42	45
Growth	44.5	1.2	43	46
Innovation	45.5	1.5	44	47
Creativity	46.5	1.0	45	48
Imagination	47.5	1.2	46	49
Artistic ability	48.5	1.5	47	50
Technical skill	49.5	1.0	48	51
Professionalism	50.5	1.2	49	52
Integrity	51.5	1.5	50	53
Honesty	52.5	1.0	51	54
Trustworthiness	53.5	1.2	52	55
Reliability	54.5	1.5	53	56
Consistency	55.5	1.0	54	57
Stability	56.5	1.2	55	58
Endurance	57.5	1.5	56	59
Persistence	58.5	1.0	57	60
Perseverance	59.5	1.2	58	61
Resilience	60.5	1.5	59	62
Strength	61.5	1.0	60	63
Power	62.5	1.2	61	64
Influence	63.5	1.5	62	65
Authority	64.5	1.0	63	66
Leadership	65.5	1.2	64	67
Management	66.5	1.5	65	68
Supervision	67.5	1.0	66	69
Coordination	68.5	1.2	67	70
Organization	69.5	1.5	68	71
Planning	70.5	1.0	69	72
Execution	71.5	1.2	70	73
Monitoring	72.5	1.5	71	74
Evaluation	73.5	1.0	72	75
Reflection	74.5	1.2	73	76
Analysis	75.5	1.5	74	77
Synthesis	76.5	1.0		